

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/705,819B
Source: 1FW9
Date Processed by STIC: 10/29/04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/705,819B

TIME: 12:44:42

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10292004\J705819B.raw

```

5 <110> APPLICANT: Jackson, David C
6      Ghosh, Souravi
7      Walker, John
11 <120> TITLE OF INVENTION: T Helper Cell Epitopes
15 <130> FILE REFERENCE: 47-201
19 <140> CURRENT APPLICATION NUMBER: US 10/705,819B
20 <141> CURRENT FILING DATE: 2003-11-13
23 <150> PRIOR APPLICATION NUMBER: US 09/890650
24 <151> PRIOR FILING DATE: 2002-03-22
27 <150> PRIOR APPLICATION NUMBER: PCT/AU00/00070
28 <151> PRIOR FILING DATE: 2000-02-07
31 <150> PRIOR APPLICATION NUMBER: AU PP8533
32 <151> PRIOR FILING DATE: 1999-02-05
35 <150> PRIOR APPLICATION NUMBER: AU PQ2013
36 <151> PRIOR FILING DATE: 1999-08-04
40 <160> NUMBER OF SEQ ID NOS: 30
44 <170> SOFTWARE: PatentIn version 3.1
48 <210> SEQ ID NO: 1
49 <211> LENGTH: 17
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <221> NAME/KEY: PEPTIDE
57 <222> LOCATION: (1)..(17)
58 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
59      peptide P2
63 <400> SEQUENCE: 1
65 Ser Ser Lys Thr Gln Thr His Thr Gln Gln Asp Arg Pro Pro Gln Pro
66 1          5          10          15
69 Ser
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 17
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <221> NAME/KEY: PEPTIDE
82 <222> LOCATION: (1)..(17)
83 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
84      peptide P4
88 <400> SEQUENCE: 2
90 Gln Pro Ser Thr Glu Leu Glu Glu Thr Arg Thr Ser Arg Ala Arg His
91 1          5          10          15

```

94 Ser

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/705,819B

TIME: 12:44:42

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10292004\J705819B.raw

```

98 <210> SEQ ID NO: 3
99 <211> LENGTH: 17
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <221> NAME/KEY: PEPTIDE
107 <222> LOCATION: (1)..(17)
108 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
109     peptide P6
113 <400> SEQUENCE: 3
115 Arg His Ser Thr Thr Ser Ala Gln Arg Ser Thr His Tyr Asp Pro Arg
116 1           5           10           15
119 Thr
123 <210> SEQ ID NO: 4
124 <211> LENGTH: 17
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <221> NAME/KEY: PEPTIDE
132 <222> LOCATION: (1)..(17)
133 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
134     peptide P8
138 <400> SEQUENCE: 4
140 Pro Arg Thr Ser Asp Arg Pro Val Ser Tyr Thr Met Asn Arg Thr Arg
141 1           5           10           15
144 Ser
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 17
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <221> NAME/KEY: PEPTIDE
157 <222> LOCATION: (1)..(17)
158 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
159     peptide P10
163 <400> SEQUENCE: 5
165 Thr Arg Ser Arg Lys Gln Thr Ser His Arg Leu Lys Asn Ile Pro Val
166 1           5           10           15
169 His
173 <210> SEQ ID NO: 6
174 <211> LENGTH: 17
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <221> NAME/KEY: PEPTIDE
182 <222> LOCATION: (1)..(17)
183 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
184     peptide P24
188 <400> SEQUENCE: 6

```

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/705,819B

TIME: 12:44:42

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10292004\J705819B.raw

190 Ser His Gln Tyr Leu Val Ile Lys Leu Ile Pro Asn Ala Ser Leu Ile

191 1 5 10 15

194 Glu

198 <210> SEQ ID NO: 7

199 <211> LENGTH: 17

200 <212> TYPE: PRT

201 <213> ORGANISM: Artificial Sequence

205 <220> FEATURE:

206 <221> NAME/KEY: PEPTIDE

207 <222> LOCATION: (1)..(17)

208 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

209 peptide P22

213 <400> SEQUENCE: 7

215 Ile Gly Thr Asp Asn Val His Tyr Lys Ile Met Thr Arg Pro Ser His

216 1 5 10 15

219 Gln

223 <210> SEQ ID NO: 8

224 <211> LENGTH: 17

225 <212> TYPE: PRT

226 <213> ORGANISM: Artificial Sequence

230 <220> FEATURE:

231 <221> NAME/KEY: PEPTIDE

232 <222> LOCATION: (1)..(17)

233 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

234 peptide P23

238 <400> SEQUENCE: 8

240 Tyr Lys Ile Met Thr Arg Pro Ser His Gln Tyr Leu Val Ile Lys Leu

241 1 5 10 15

244 Ile

248 <210> SEQ ID NO: 9

249 <211> LENGTH: 17

250 <212> TYPE: PRT

251 <213> ORGANISM: Artificial Sequence

255 <220> FEATURE:

256 <221> NAME/KEY: PEPTIDE

257 <222> LOCATION: (1)..(17)

258 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

259 peptide P25

263 <400> SEQUENCE: 9

265 Lys Leu Ile Pro Asn Ala Ser Leu Ile Glu Asn Cys Thr Lys Ala Glu

266 1 5 10 15

269 Leu

273 <210> SEQ ID NO: 10

274 <211> LENGTH: 17

275 <212> TYPE: PRT

276 <213> ORGANISM: Artificial Sequence

280 <220> FEATURE:

281 <221> NAME/KEY: PEPTIDE

282 <222> LOCATION: (1)..(17)

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/705,819B

TIME: 12:44:42

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10292004\J705819B.raw

283 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

284 peptide P27

288 <400> SEQUENCE: 10

290 Ala Glu Leu Gly Glu Tyr Glu Lys Leu Leu Asn Ser Val Leu Glu Pro

291 1 5 10 15

294 Ile

298 <210> SEQ ID NO: 11

299 <211> LENGTH: 17

300 <212> TYPE: PRT

301 <213> ORGANISM: Artificial Sequence

305 <220> FEATURE:

306 <221> NAME/KEY: PEPTIDE

307 <222> LOCATION: (1)..(17)

308 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

309 peptide P28

313 <400> SEQUENCE: 11

315 Lys Leu Leu Asn Ser Val Leu Glu Pro Ile Asn Gln Ala Leu Thr Leu

316 1 5 10 15

319 Met

323 <210> SEQ ID NO: 12

324 <211> LENGTH: 17

325 <212> TYPE: PRT

326 <213> ORGANISM: Artificial Sequence

330 <220> FEATURE:

331 <221> NAME/KEY: PEPTIDE

332 <222> LOCATION: (1)..(17)

333 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

334 peptide P29

338 <400> SEQUENCE: 12

340 Glu Pro Ile Asn Gln Ala Leu Thr Leu Met Thr Lys Asn Val Lys Pro

341 1 5 10 15

344 Leu

348 <210> SEQ ID NO: 13

349 <211> LENGTH: 17

350 <212> TYPE: PRT

351 <213> ORGANISM: Artificial Sequence

355 <220> FEATURE:

356 <221> NAME/KEY: PEPTIDE

357 <222> LOCATION: (1)..(17)

358 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus

359 peptide P33

363 <400> SEQUENCE: 13

365 Phe Ala Gly Val Val Leu Ala Gly Val Ala Leu Gly Val Ala Thr Ala

366 1 5 10 15

369 Ala

373 <210> SEQ ID NO: 14

374 <211> LENGTH: 17

375 <212> TYPE: PRT

376 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/705,819B

TIME: 12:44:42

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10292004\J705819B.raw

```

380 <220> FEATURE:
381 <221> NAME/KEY: PEPTIDE
382 <222> LOCATION: (1)..(17)
383 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
384     peptide P34
388 <400> SEQUENCE: 14
390 Gly Val Ala Leu Gly Val Ala Thr Ala Ala Gln Ile Thr Ala Gly Ile
391 1             5             10             15
394 Ala
398 <210> SEQ ID NO: 15
399 <211> LENGTH: 17
400 <212> TYPE: PRT
401 <213> ORGANISM: Artificial Sequence
405 <220> FEATURE:
406 <221> NAME/KEY: PEPTIDE
407 <222> LOCATION: (1)..(17)
408 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
409     peptide P35
413 <400> SEQUENCE: 15
415 Thr Ala Ala Gln Ile Thr Ala Gly Ile Ala Leu His Gln Ser Asn Leu
416 1             5             10             15
419 Asn
423 <210> SEQ ID NO: 16
424 <211> LENGTH: 17
425 <212> TYPE: PRT
426 <213> ORGANISM: Artificial Sequence
430 <220> FEATURE:
431 <221> NAME/KEY: PEPTIDE
432 <222> LOCATION: (1)..(17)
433 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
434     peptide P36
438 <400> SEQUENCE: 16
440 Gly Ile Ala Leu His Gln Ser Asn Leu Asn Ala Gln Ala Ile Gln Ser
441 1             5             10             15
444 Leu
448 <210> SEQ ID NO: 17
449 <211> LENGTH: 17
450 <212> TYPE: PRT
451 <213> ORGANISM: Artificial Sequence
455 <220> FEATURE:
456 <221> NAME/KEY: PEPTIDE
457 <222> LOCATION: (1)..(17)
458 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic canine
distemper virus
459     peptide P37
463 <400> SEQUENCE: 17
465 Asn Leu Asn Ala Gln Ala Ile Gln Ser Leu Arg Thr Ser Leu Glu Gln
466 1             5             10             15
469 Ser
473 <210> SEQ ID NO: 18

```

VERIFICATION SUMMARY

DATE: 10/29/2004

PATENT APPLICATION: US/10/705,819B

TIME: 12:44:43

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10292004\J705819B.raw